Clarion

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Closer Relations through
"Clarion Service Manual"

Service Manual

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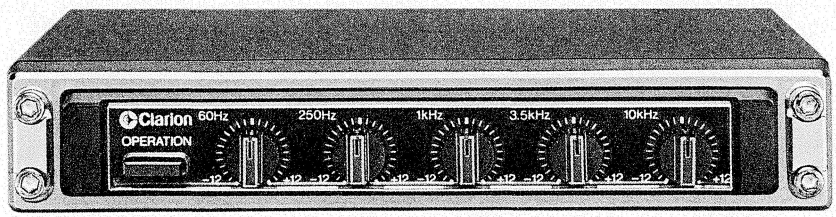
Model GE-311C



■SPECIFICATIONS:

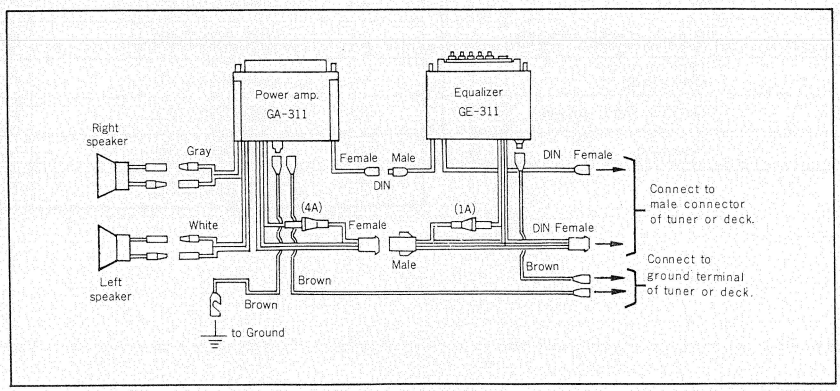
Gain:	More than 0.75V (at 1kHz, 1.0V input, 10kΩ load)
Effect range:	60Hz, 250Hz, 1kHz, 3.5kHz, 10kHz····· More than ±7dB (Each channel)
Power supply voltage:	DC 14V (10.8V to 15.6V) Negative ground
Semiconductors:	1 IC, 3 transistors and 1 diode
Dimensions:	Width 140mm Height 25mm Depth 100mm
Weight:	450g

■COMPONENTS:

GE-311C-01

	Main unit	1
300-5946-00	Mounting bracket	1
300-5946-01	Mounting bracket	1
852-5115-00	Extension lead	1
921-7032-00	Parts bag	1
700-5016-10	Tap screw (M5x16)	3
725-0181-00	Plate nut	3
734-5010-31	D-sems hex-bolt (M5x10)	3
740-5000-10	Flat washer	3

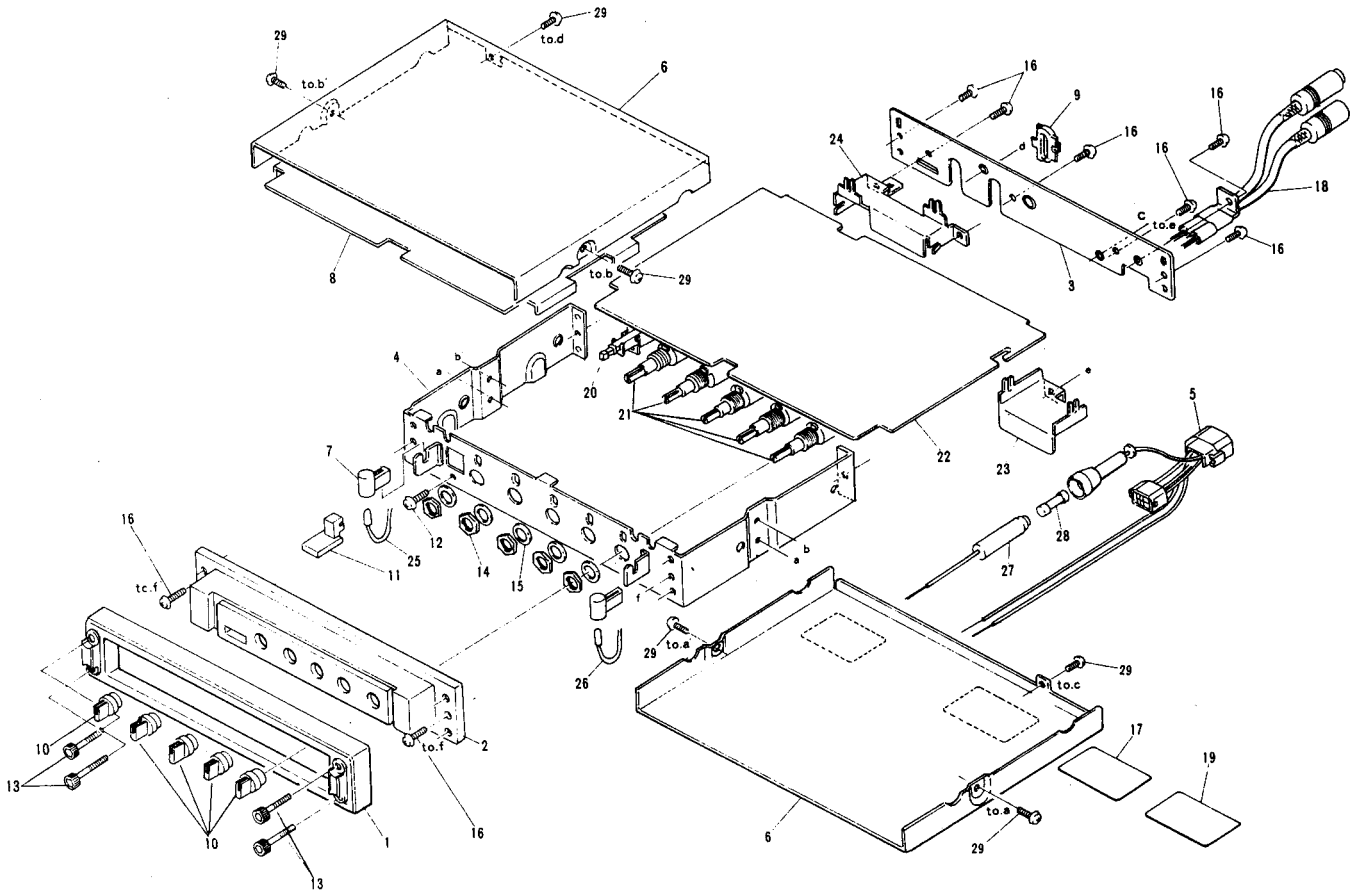
■WIRE CONNECTION:



Printed in Japan 298-2630-00 GE-311C

■EXPLODED VIEW:

◎Main section



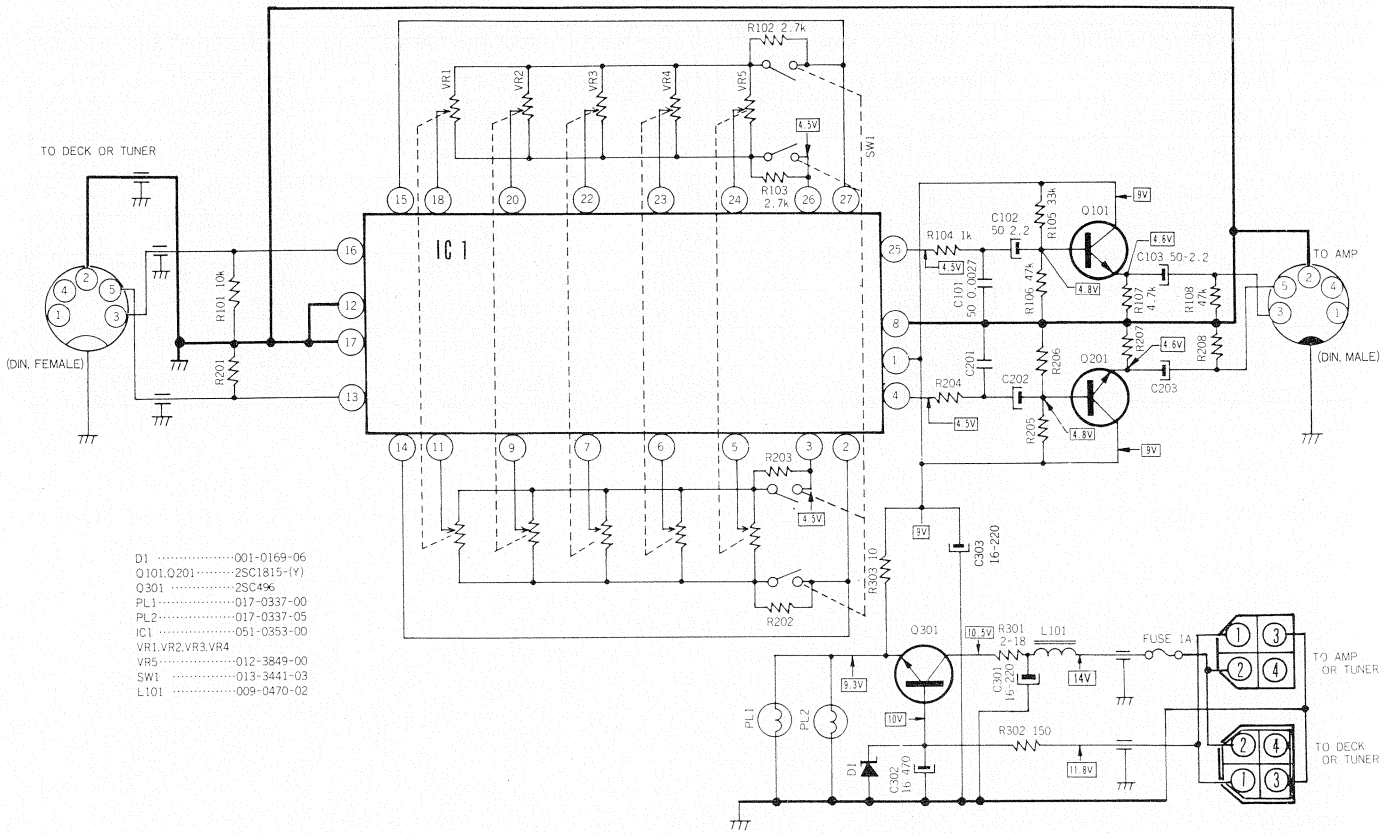
■PARTS LIST:

◎Main section

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
1	370-3338-01	Escutcheon	1
2	940-2566-01	Escutcheon ass'y	1
3	307-0330-00	Rear cover	1
4	308-0951-01	Front cover	1
5	852-6193-00	Extension lead	1
6	310-1007-05	Upper case	2
7	345-3316-00	P.L holder	2
8	347-0966-01	Insulator	1
9	335-0580-00	Lead holder	1
10	380-4058-01	Knob	5
11	382-0268-01	Button (OPERATION)	1
12	714-2605-81	Machine screw (M2.6x5)	1
13	716-0339-01	Ornamental screw	4
14	722-0282-00	Hex-nut	5

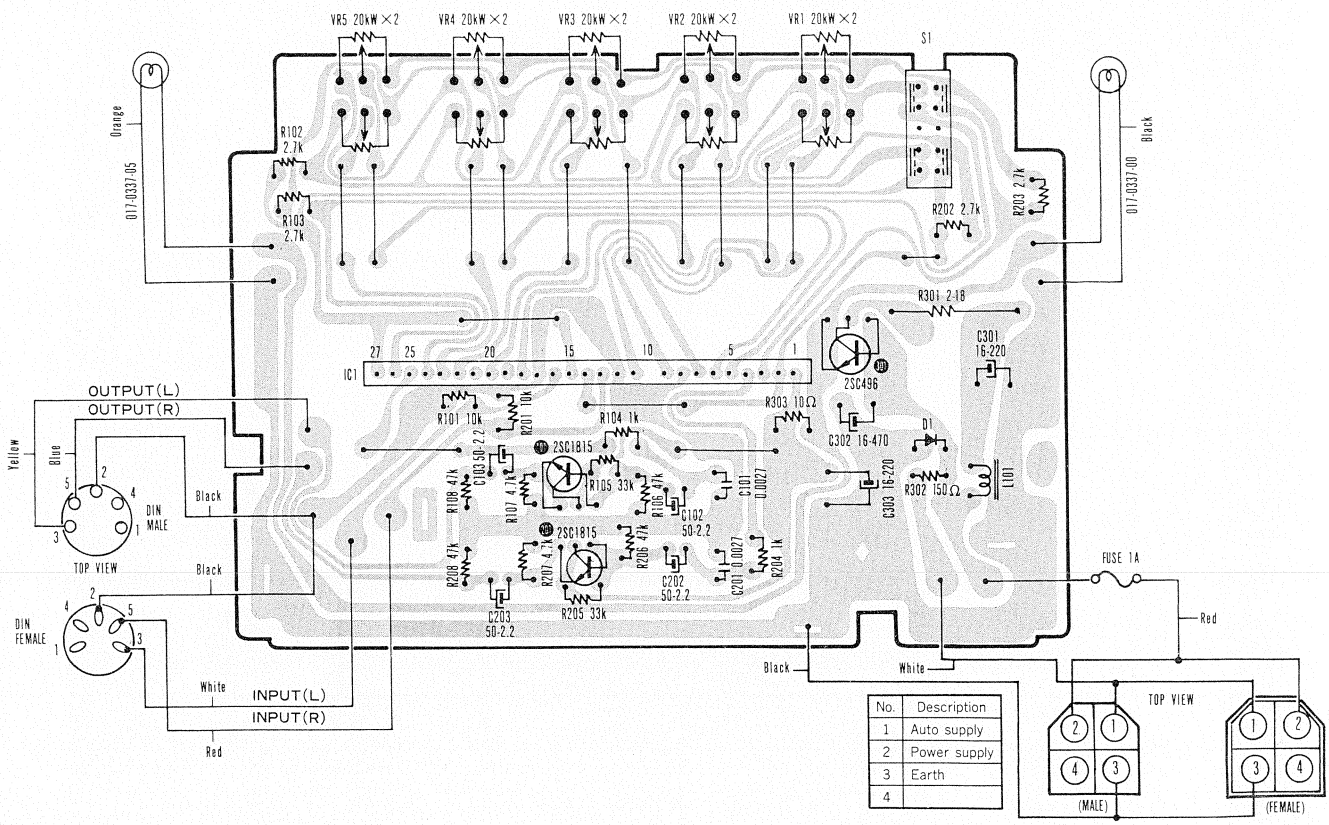
REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
15	745-0485-00	Flat washer	5
16	731-3006-80	Tap tight (M3x6)	8
17	285-0656-00	Guide label	1
18	852-6399-00	Extension lead	1
19	286-3678-00	Set plate	1
20	013-3441-03	Switch (OPERATION)	1
21	012-3849-00	Variable resistor	5
22	099-6000-00	P.W.B	1
23	944-0570-00	Filter ass'y	1
24	944-0569-01	Filter ass'y	1
25	017-0337-00	Pilot lamp (ILLUMI)	1
26	017-0337-05	Pilot lamp (ILLUMI)	1
27	850-2031-01	A-lead	1
28	120-0010-00	Fuse (1A)	1
29	731-3006-89	Tap tight (M3x6)	6

■CIRCUIT DIAGRAM:



D1 ·····001-0169-06
Q101,Q201·····2SC1815-(Y)
Q301 ·····2SC496
PL1·····017-0337-00
PL2·····017-0337-05
IC1 ·····051-0353-00
VR1,VR2,VR3,VR4
VR5·····012-3849-00
SW1 ·····013-3441-03
L101 ·····009-0470-02

■PRINTED WIRING BOARD:



No.	Description
1	Auto supply
2	Power supply
3	Earth
4	

■PARTS LIST:

◎Electrical section

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
D_1	001-0169-06	Diode (05Z10)	1
L_{101}	009-0470-02	Choke	1
IC_1	051-0353-00	IC (EA1005)	1
Q_{301}	102-0496-25	Transistor (2SC496Y)	1
$Q_{101,201}$	102-1815-25	Transistor (2SC1815Y)	2
R_{303}	111-1001-32	Film resistor (¼W10Ω)	1
$R_{104,204}$	111-1021-32	Film resistor (¼W1kΩ)	2
$R_{101,201}$	111-1031-32	Film resistor (¼W10kΩ)	2
R_{302}	111-1511-32	Film resistor (¼W150Ω)	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
$R_{102,103,202,203}$	111-2721-32	Film resistor (¼W2.7kΩ)	4
$R_{105,205}$	111-3331-32	Film resistor (¼W33kΩ)	2
$R_{107,207}$	111-4721-32	Film resistor (¼W4.7kΩ)	2
$R_{106,108,206,208}$	111-4731-32	Film resistor (¼W47kΩ)	4
R_{301}	114-1801-61	Film resistor (2W18Ω)	1
$C_{101,201}$	141-2722-10	Polyester capacitor (50V0.0027μF)	2
$C_{102,103,202,203}$	180-2254-62	Electrolytic capacitor (50V2.2μF)	4
$C_{301,303}$	180-2274-32	Electrolytic capacitor (16V220μF)	2
C_{302}	180-4774-32	Electrolytic capacitor (16V470μF)	1